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Patent

AMENDMENT TO THE SPECIFICATION

Please replace the first paragraph on page 13, lines 1-4, with the following paragraph:

"The conversions and yields were determined by comparing the product to the internal standard integrals, and by assuming equal response factors of the standard and the products. For the hexene dimerization experiments, 1-hexene was the internal standard, and for the butene experiments cyclohexane was used. The approximate density for 1-butene of 0.60 g/ml is included for reference. As shown in Table 1, the dimerization product comprises linear internal dimers, methyl branched dimers, and unreacted monomer. The linear internal dimers may comprise from about 27 to about 85 weight percent of the dimers present in the dimerization product. The dimerization product may comprise from about 18.5 to about 80 weight percent unreacted monomer. The dimerization product may further comprise less than about five weight percent vinylidene or tri-substituted olefins.